



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Cheri M. Boykin et al.  
Appl. No.: 10/657,313  
Filed: September 8, 2003  
Title: METHOD AND APPARATUS FOR CLEANING A  
PHOTOACTIVE AND/OR HYDROPHILIC SURFACE

Group Art Unit:  
Examiner: unassigned  
Confirmation No.  
Docket No.: 1789A1

**INFORMATION DISCLOSURE STATEMENT**

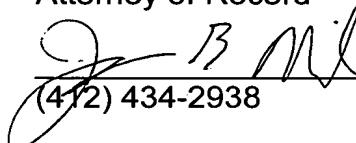
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The documents listed on the attached Form PTO-1449 are brought to the attention of the United States Patent and Trademark Office with respect to the application identified above in accordance with the provisions of 37 CFR 1.56, 1.97, and 1.98 (copies of foreign patent documents and/or other citations enclosed).

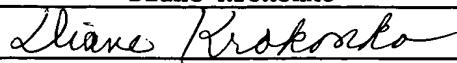
Respectfully submitted,

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Attorney of Record



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Pittsburgh, Pennsylvania  
December 15, 2003

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450 on <u>December 15, 2003</u>	
(Date of Deposit and Signature)	
Diane Krokonko	
 (Signature)	

LIST OF CITATIONS BY APPLICANT (Use several sheets if necessary)	Atty. Docket No. 1789A1 Applicant: Cheri M. Boykin et al.	Serial No. 10/657,313
DEC 18 2003 PATENT & TRADEMARK OFFICE	Filing Date: September 8, 2003	Group Art Unit:

## U.S. PATENT DOCUMENTS

Exam. Init.	Document No.	Date	Name	Class	Subclass	Filing Date if appropriate
AA	4,504,109	3/85	Taga et al.	350	1.6	
AB	4,610,771	9/86	Gillary	204	192.1	
AC	4,716,086	12/87	Gillary et al.	428	630	
AD	4,746,347	5/88	Sensi	65	94	
AE	4,792,536	12/88	Pecoraro et al.	501	70	
AF	4,806,220	2/89	Finley	204	192.27	
AG	4,834,857	5/89	Gillary	204	192.27	
AH	4,898,789	2/90	Finley	428	623	
AI	4,898,790	2/90	Finley	428	623	
AJ	4,902,580	2/90	Gillary	428	623	
AK	4,948,677	8/90	Gillary	428	623	

## FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Subclass	Translation Yes      No
AL	2,302,102	1/97	Great Britain			
AM						
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AO						

## OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

AP	U.S. Patent Application Serial No. 60/305,057 filed July 13, 2001
AQ	U.S. Patent Application Serial No. 60/409,397 filed September 10, 2002
AR	U.S. Patent Application Serial No. 60/417,903 filed October 11, 2002

Examiner	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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PATENT DOCUMENTS

### U.S. PATENT DOCUMENTS

Exam. Init.		Patent No.	Date	Name	Class	Subclass	Filing Date if appropriate
	AA	4,952,423	8/90	Hirata et al.	427	109	
	AB	5,028,759	7/91	Finley	219	203	
	AC	5,039,016	8/91	Gunzel, Jr. et al.	239	314	
	AD	5,059,295	10/91	Finley	204	192.27	
	AE	5,240,886	8/93	Gulotta et al.	501	70	
	AF	5,385,872	1/95	Gulotta et al.	501	71	
	AG	5,393,593	2/95	Gulotta et al.	428	220	
	AH	5,653,903	8/97	Pinchok, Jr. et al.	219	203	
	AI	5,821,001	10/98	Arbab et al.	428	623	
	AJ						
	AK						

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AP	U.S. Patent Application Serial No. 10/007,382 filed October 22, 2001
AQ	U.S. Patent Application Serial No. 10/075,996 filed February 14, 2002, now Publication No. 2002/0155299
AR	U.S. Patent Application Serial No. 10/133,805 filed April 25, 2002, now Publication No. 2002/0172775

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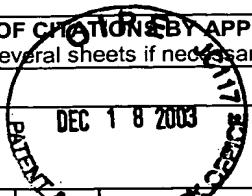
AP	U.S. Patent Application Serial No. 10/397,001 filed March 25, 2003
AQ	U.S. Patent Application Serial No. 10/422,095 filed April 24, 2003
AR	U.S. Patent Application Serial No. 10/422,096 filed April 24, 2003

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AP	U.S. Patent Application Serial No. 60/305,191 filed July 13, 2001
AQ	Samuelson, Ion Exchange Separation Analytical Chemistry; John Wiley and Sons, New York, 1963, pp. 33, 69, 87, 88
AR	Meyers, Encyclopedia of Physical Science and Technology, Second Edition, Harcourt Brace Jovanovich, San Diego, 1992, Vol. 3, pp. 363-367

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AP	Kirk-Othmer, Encyclopedia of Chemical Technology, Vol. 14 (Fourth Edition), 1995, pp. 737-783		
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